

**EN BLOC AMENDMENTS OFFERED BY MR.
EHLERS
TO THE AMENDMENT IN THE NATURE OF A
SUBSTITUTE**

Page 4, line 16, strike “51” and insert “50”.

Page 5, line 14, strike “6.5” and insert “7.5”.

Page 20, lines 5 and 6, strike “Federal laboratories” and insert “federally funded research and development centers”.

Page 28, line 24, insert “, including the needs of low-income, minority, and transit-dependent populations in urban and rural areas,” after “health care”.

Page 29, line 23, insert “, including representatives of community-based organizations” after “nonprofit organizations”.

Page 30, after line 16, insert the following new subsection:

- 1 (e) ROAD WEATHER RESEARCH AND DEVELOPMENT
- 2 PROGRAM.—
- 3 (1) ESTABLISHMENT.—The Secretary shall es-
- 4 tablish a road weather research and development
- 5 program to—

1 (A) maximize use of available road weather
2 information and technologies;

3 (B) expand road weather research and de-
4 velopment efforts to enhance roadway safety,
5 capacity, and efficiency while minimizing envi-
6 ronmental impacts; and

7 (C) promote technology transfer of effec-
8 tive road weather scientific and technological
9 advances.

10 (2) STAKEHOLDER INPUT.—In carrying out
11 this subsection, the Secretary shall consult with the
12 National Oceanic and Atmospheric Administration,
13 the National Science Foundation, the American As-
14 sociation of State Highway and Transportation Offi-
15 cials, nonprofit organizations, and the private sector.

16 (3) CONTENTS.— The program established
17 under this subsection shall solely carry out research
18 and development called for in the National Research
19 Council's report entitled "A Research Agenda for
20 Improving Road Weather Services". Such research
21 and development includes—

22 (A) integrating existing observational net-
23 works and data management systems for road
24 weather applications;

1 (B) improving weather modeling capabili-
2 ties and forecast tools, such as the road surface
3 and atmospheric interface;

4 (C) enhancing mechanisms for commu-
5 nicating road weather information to users,
6 such as transportation officials and the public;
7 and

8 (D) integrating road weather technologies
9 into an information infrastructure.

10 (4) ACTIVITIES.— In carrying out this sub-
11 section, the Secretary shall—

12 (A) enable efficient technology transfer;

13 (B) improve education and training of road
14 weather information users, such as State and
15 local transportation officials and private sector
16 transportation contractors; and

17 (C) coordinate with transportation weather
18 research programs in other modes, such as
19 aviation.

20 (5) FUNDING.—In awarding funds under this
21 subsection, the Secretary shall give preference to ap-
22 plications with significant matching funds from non-
23 Federal sources. From the amounts authorized to be
24 appropriated under section 101(b)(1), there shall be

1 available \$5,000,000 for carrying out this subsection
2 for each of fiscal years 2004 through 2009.

Page 42, after line 23, insert the following new subsection:

3 (e) GARRETT A. MORGAN TECHNOLOGY AND TRANS-
4 PORTATION EDUCATION PROGRAM.—Section 504 of title
5 23, United States Code, as amended by this section, is
6 further amended by adding at the end the following new
7 subsection:

8 “(e) GARRETT A. MORGAN TECHNOLOGY AND
9 TRANSPORTATION EDUCATION PROGRAM.—

10 “(1) IN GENERAL.—The Secretary shall estab-
11 lish the Garrett A. Morgan Technology and Trans-
12 portation Education Program to improve the prepa-
13 ration of students, particularly women and minori-
14 ties, in science, technology, engineering, and mathe-
15 matics through curriculum development and other
16 activities related to transportation.

17 “(2) AUTHORIZED ACTIVITIES.—The Secretary
18 shall award grants under this subsection on the
19 basis of competitive, peer review. Grants awarded
20 under this subsection may be used for enhancing
21 science, technology, engineering, and mathematics at
22 the elementary and secondary school level through
23 such means as—

1 “(A) internships that offer students experi-
2 ence in the transportation field;

3 “(B) programs that allow students to
4 spend time observing scientists and engineers in
5 the transportation field; and

6 “(C) developing relevant curriculum that
7 uses examples and problems related to trans-
8 portation.

9 “(3) APPLICATION AND REVIEW PROCE-
10 DURES.—

11 “(A) IN GENERAL.—An entity described in
12 subparagraph (C) seeking funding under this
13 subsection shall submit an application to the
14 Secretary at such time, in such manner, and
15 containing such information as the Secretary
16 may require. Such application, at a minimum,
17 shall include a description of how the funds will
18 be used and a description of how the funds will
19 be used to serve the purposes described in para-
20 graph (2).

21 “(B) PRIORITY.—In making awards under
22 this subsection, the Secretary shall give priority
23 to applicants that will encourage the participa-
24 tion of women and minorities.

1 “(C) ELIGIBILITY.—Local education agen-
2 cies and State education agencies, which may
3 partner with institutions of higher education,
4 businesses, or other entities, shall be eligible to
5 apply for grants under this subsection.

6 “(4) DEFINITIONS.—For purposes of this
7 subsection—

8 “(A) the term ‘institution of higher edu-
9 cation’ has the meaning given that term in sec-
10 tion 101 of the Higher Education Act of 1965
11 (20 U.S.C. 1001);

12 “(B) the term ‘local educational agency’
13 has the meaning given that term in section
14 9101 of the Elementary and Secondary Edu-
15 cation Act of 1965 (20 U.S.C. 7801); and

16 “(C) the term ‘State educational agency’
17 has the meaning given that term in section
18 9101 of the Elementary and Secondary Edu-
19 cation Act of 1965 (20 U.S.C. 7801).

20 “(5) AUTHORIZATION OF APPROPRIATIONS.—
21 There are authorized to be appropriated to the Sec-
22 retary of Transportation to carry out this subsection
23 \$500,000 for fiscal year 2005 and such sums as
24 may be necessary thereafter.”.

Page 61, line 6, insert “, including innovative techniques for ensuring representative public input (e.g. deliberative polling)” after “intermodal transportation systems”.

Page 74, lines 7 and 8, strike “Federal laboratories” and insert “federally funded research and development centers”.

Page 77, line 25, strike “Federal laboratories” and insert “federally funded research and development centers”.

Page 104, line 16, strike “Federal laboratories” and insert “federally funded research and development centers”.

Page 104, line 19, strike “Federal laboratory” and insert “federally funded research and development center”.

Page 105, line 17, strike “Federal laboratories” and insert “federally funded research and development centers”.